
 Substitute Form PTO-1449  
(Modified)

 U.S. Department of Commerce  
Patent and Trademark Office

 Attorney's Docket No.  
10980-016001

 Application No.  
09/857,783

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

 Applicant  
Willner et al.

 Filing Date  
June 6, 2001

 Group Art Unit  
Unknown

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>u</i>	AA	5,695,926	12/09/97	Cros et al.			
	AB			X			
	AC						
	AD						
	AE						
	AF						
	AG						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>u</i>	AH	WO 92/08808	05/29/92	<del>PCT</del> USA				
	AI			X				
	AJ							
	AK							
	AL							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
<i>u</i>	AM	Yoshio Okahata et al., "Kinetic Measurements of DNA Hybridization on an Oligonucleotide-Immobilized 27-MHz Quartz Crystal Microbalance", <i>Anal. Chem.</i> 1998, 70, 1288-1296
	AN	X
	AO	
	AP	

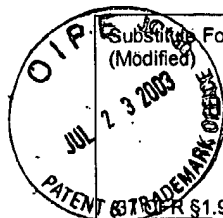
Examiner Signature

*Willner*

Date Considered

12/23/2003

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


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(Use several sheets if necessary)

 Applicant  
Willner et al.

 Filing Date  
November 13, 2001

 Group Art Unit  
1634

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA			X			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL			X				
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Bardea, A., et al., "Amplified microgravimetric quartz-crystal-microbalance analyses of oligonucleotide complexes: a route to a Tay-Sachs biosensor device", <i>Chem. Commun.</i> , pp. 839-840 (1998).
	AR	Liedberg, Bo, et al., "Surface plasmon resonance for gas detection and biosensing", <i>Sensors and Actuators</i> , 4:299-304 (1983).
	AS	Millan, K., et al., "Voltammetric DNA biosensor for cystic fibrosis based on a modified carbon paste electrode", <i>Analytical Chemistry</i> , 66(18):2943-2948 (1994).
	AT	X

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